



Atty. Dkt. No. 078853-0306

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Roger A. Sabbadini

Title: COMPOSITIONS AND METHODS
FOR THE TREATMENT AND
PREVENTION OF
CARDIOVASCULAR DISEASES
AND DISORDERS, AND FOR
IDENTIFYING AGENTS
THERAPEUTIC THEREFOR

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Appl. No.: 10/029,401

Filing Date: 12/21/2001

Examiner: Unknown

Art Unit: 1653

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
Box PATENT APPLICATION
Washington, D.C. 20231

Sir:

Applicant submits herewith on Form PTO-1449 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 10/029372, filed 12/21/2001. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action

which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

The relevance of the foreign-language documents is explained in the parent application.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.



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Respectfully submitted,

Date Sept. 23, 2002

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Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 078853-0302		SERIAL NO.	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Roger A. Sabbadini			
				FILING DATE 12/21/2001		GROUP ART UNIT	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL TRADEMARK OFFICE	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	A1	6,210,976	04/03/2001	Sabbadini			
	A2	5,929,039	07/27/1999	Woodcock, et al.			
	A3	5,677,288	10/14/1997	Marangos			
	A4	20010041688	11/15/2001	Waeber, et al.			
	A5	4,150,949	04/24/1979	Smith			
	A6	5,369,030	11/29/1994	Hannun, et al.			
	A7	5,631,394	05/20/1997	Wei, et al.			
FOREIGN PATENT DOCUMENTS							
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	A33	WO 98/57179	10/12/2000	PCT			
	A34	WO 01/80903	11/01/2001	PCT			
	A35	WO 99/12890	03/18/1999	PCT			X
	A36	WO 99/41266	08/19/1999	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	A69	Abe, et al., "Glycosphingolipid depletion in Fabry disease lymphoblasts with potent inhibitors of glucosylceramide synthase," <i>Kidney International</i> , <u>57</u> :446-454 (2000)					
	A70	Abe, et al., "Structural and stereochemical studies of potent inhibitors and glucosylceramide synthase and tumor cell growth," <i>Journal of Lipid Research</i> , <u>36</u> :611-621 (1995)					
	A71	Abe, et al., "Use of Sulfobutyl Ether β -Cyclodextrin as a Vehicle for D-threo-1-Phenyl-2-decanoylamino-3-morpholinopropanol-Related Glucosylceramide Synthase Inhibitors," <i>Analytical Biochemistry</i> , <u>287</u> :344-347 (2000)					
	A72	An, et al., "Characterization of a Novel Subtype of Human G Protein-coupled Receptor for Lysophosphatidic Acid," <i>J. Biol. Chem.</i> , <u>273</u> :7906-7910 (1998)					
	A73	An, et al., "Identification of cDNAs encoding two G protein-coupled receptors for lysosphingolipids," <i>FEBS Letts.</i> , <u>417</u> :279-282 (1997)					
EXAMINER				DATE CONSIDERED			
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.							

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 078853-0302		SERIAL NO. APPL_NO02	
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				FILING DATE 12/21/2001		GROUP ART UNIT USPTO_ART_UNIT02	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
	A8	5,677,337	10/14/1997	Wei, et al.			
	A9	6,323,201	11/27/2001	Carson, et al.			
	A10	4,937,232	06/26/1990	Bell, et al.			
	A11	4,816,450	03/28/1989	Bell, et al.			
	A12	5,331,014	07/19/1994	Kimura, et al.			
	A13	5,137,919	08/11/1992	Igarashi, et al.			
	A14	5,151,360	09/29/1992	Handa, et al.			
	A15	6,187,562	02/13/2001	Duckworth, et al.			
	A16	5,851,782	12/22/1998	Hannun, et al.			
	A17	5,079,263	01/07/1992	Zeeck, et al.			
	A18	5,444,087	08/22/1995	Patel, et al.			
	A19	6,284,798	09/04/2001	Amtmann, et al.			
	A20	6,306,911	10/23/2001	Wachter, et al.			
	A21	6,051,598	04/18/2000	Shayman, et al.			
	A22	5,919,687	07/06/1999	Chatterjee			
	A23	5,663,404	09/02/1997	Igarashi, et al.			
	A24	5,260,288	11/09/1993	Igarashi, et al.			
	A25	5,391,800	02/21/1995	Igarashi, et al.			
	A26	5,430,160	04/04/1995	Boumendjel, et al.			
	A27	5,248,824	09/28/1993	Igarashi, et al.			
	A28	5,912,144	06/15/1999	Au-Young, et al.			
	A29	6,130,067	10/10/2000	Tsui			
	A30	6,057,126	05/02/2000	Munroe, et al.			
	A31	5,585,476	12/17/1996	MacLennan, et al.			
	A32	6,140,060	10/31/2000	Chun, et al.			

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Roger A. Sabbadini			
				FILING DATE 12/21/2001		GROUP ART UNIT USPTO_ART_UNIT03	
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REEL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
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A37	WO 00/00593	01/06/2000	PCT				
A38	WO 00/21919	04/20/2000	PCT				
A39	Intentionally	Left	Blank				
A40	WO 00/52173	09/08/2000	PCT				
A41	WO 00/58448	10/05/2000	PCT				X
A42	WO 00/58491	10/05/2000	PCT				X
A43	WO 00/59517	10/12/2000	PCT				
A44	WO 00/70028	11/23/2000	PCT				
A45	WO 00/72833 A2	12/07/2000	PCT				X
A46	WO 01/04108	01/18/2001	PCT				
A47	WO 01/04139	01/18/2001	PCT				
A48	WO 01/07418	02/01/2001	PCT				
A49	WO 01/31029	05/03/2001	PCT				
A50	WO 01/38295	05/31/2001	PCT				X
A51	WO 01/55410	08/02/2001	PCT				
A52	WO 01/57057	08/09/2001	PCT				
A53	WO 01/60990	08/23/2001	PCT				
A54	WO 01/72701	10/04/2001	PCT				
A55	WO 01/85953	11/15/2001	PCT				
A56	WO 97/44019	11/27/1997	PCT				
A57	WO 98/03529	01/29/1998	PCT				X
A58	WO 98/28445	07/02/1998	PCT				
A59	WO 98/40349	09/16/1998	PCT				X
A60	WO 99/07855	08/11/1998	PCT				X
A61	WO 99/12890	03/18/1999	PCT				X
A62	WO 99/16888	04/08/1999	PCT				
A63	WO 99/33972	07/08/1999	PCT				
A64	WO 99/38983	08/05/1999	PCT				
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Roger A. Sabbadini			
				FILING DATE 12/21/2001		GROUP ART UNIT USPTO_ART_UNIT04	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
A74		An, et al., "Sphingosine 1-phosphate-induced cell proliferation, survival, and related signaling events mediated by G protein-coupled receptors Edg3 and Edg5," <i>J. Biol. Chem.</i> , <u>275</u> :288-296 (2000)					
A75		Ancellin, et al., "Extracellular export of sphingosine kinase-1 enzyme: Sphingosine 1 phosphate generation and the induction of angiogenic vascular maturation," <i>JBC Papers in Press</i> , Published 12/10/01 (manuscript M102841200).					
A76		Andrieu-Abadie, et al., "L-carnitine prevents doxorubicin-induced apoptosis of cardiac myocytes: role of inhibition of ceramide generation," <i>FASEB J.</i> , <u>13</u> :1501-1510 (1999)					
A77		Arenz, et al., "Manumycin A and Its Analogues Are Irreversible Inhibitors of Neutral Sphingomyelinase," <i>ChemiBiochem.</i> , <u>2</u> :141-143 (2001)					
A78		Arenz, et al., "Synthese des ersten selektiven irreverilben Inhibitors der neutralen Sphingomyelinase," <i>Angew Chem.</i> , <u>112</u> :1498-1500 (2000) (GERMAN)					
A79		Arenz, et al., "Synthesis and Biochemical Investigation of Scyphostatin Analogues as Inhibitors of Neutral Sphingomyelinase," <i>Bioorganic & Medicinal Chemistry</i> , <u>9</u> :2901-2904 (2001)					
A80		Arenz, et al., "Synthesis of the First Selective Irreversible Inhibitor of Neutral Sphingomyelinase," <i>Eur. J. Org. Chem.</i> , 137-140 (2001)					
A81		Ariga, et al., "Role of Sphingolipid-mediated cell death in neurodegenerative diseases," <i>Journal of Lipid Research</i> , <u>39</u> :1-16 (1998)					
A82		Bajjalieh, et al., "Ceramide Kinase," <i>Methods in Enzymology</i> , <u>311</u> :207-215 (1999)					
A83		Intentionally Left Blank					
A84		Intentionally Left Blank					
A85		Bawab, et al., "Molecular Cloning and Characterization of a Human Mitochondrial Ceramidase," <i>J. Biol. Chem.</i> , <u>275</u> :21508-21513 (2000)					
A86		Bernardo, et al., "Purification and Characterization of a Magnesium-dependent Neutral Sphingomyelinase from Bovine Brain," <i>J. Biol. Chem.</i> , <u>275</u> :7641-7647 (2000)					
A87		Betto, et al., "Sphingosylphosphocholine modulates the ryanodine receptor/calcium-release channel of cardiac sarcoplasmic reticulum membranes," <i>Biochem. J.</i> , <u>322</u> :327-333 (1997)					
A88		Bielawska, et al., "(1S, 2R)-D-erhthro-2-(N-Myristoylamino)-1-phenyl-1-propanol as an Inhibitor of Ceramidase," <i>J. Biol. Chem.</i> , <u>271</u> :12646-12654 (1996)					

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Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 078853-0302	SERIAL NO. APPL_NO04
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT Roger A. Sabbadini	
		FILING DATE 12/21/2001	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		GROUP ART UNIT USPTO_ART_UNIT04	
A90	Bielawska, et al., "Ceramide Is Involved in Triggering of Cardiomyocyte Apoptosis Induced by Ischemia and Reperfusion," <i>Am. J. Pathol.</i> , <u>151</u> (5):1257-1263 (1997)		
A91	Boudker, et al., "Detection and Characterization of Ceramide-1-phosphate Phosphatase Activity in Rat Liver Plasma Membrane," <i>J. Biol. Chem.</i> , <u>268</u> :22150-22155 (1993)		
A92	Brady, et al., "The metabolism of sphingomyelin. II. Evidence of an enzymatic deficiency in Niemann-Pick disease," <i>Proc. Natl. Acad. Sci. USA</i> , <u>55</u> (2):366-369 (1966)		
A93	Brindley, et al., "Analysis of Ceramide 1-phosphate and Sphingosine-1-phosphate Phosphatase Activities," <i>Methods in Enzymology</i> , <u>311</u> :233-244 (1999)		
A94	Brownlee, C., "Intracellular signalling: sphingosine-1-phosphate branches out," <i>Current Biology</i> , <u>11</u> :R535-R538 (2001)		
A95	Burton, et al., "Human antibodies from combinatorial libraries," <i>Adv. Immunol.</i> , <u>57</u> :191-280 (1994)		
A96	Cain, et al., "Therapeutic Strategies to Reduce TNF- α Mediated Cardiac Contractile Depression Following Ischemia and Reperfusion," <i>J. Mol. Cell. Cardiol.</i> , <u>31</u> :931-947 (1999)		
A97	Caligan, et al., "A High-Performance Liquid Chromatographic Method to Measure Sphingosine 1-Phosphate and Related Compounds from Sphingosine Kinase Assays and Other Biological Samples," <i>Analytical Biochemistry</i> , <u>281</u> :36-44 (2000)		
A98	Chan, et al., "Ceramide Path in Human Lung Cell Death," <i>Am. J. Respir. Cell Mol. Biol.</i> , <u>22</u> :460-468 (2000)		
A99	Chan, et al., "Purification and Characterization of Neutral Sphingomyelinase from <i>Helicobacter pylori</i> ," <i>Biochemistry</i> , <u>39</u> :4838-4845 (2000)		
A100	Chatterjee, "Neutral Sphingomyelinase," <i>Advances in Lipid Research</i> , <u>26</u> :25-49 (1993)		
A101	Chatterjee, "Neutral Sphingomyelinase: past, present, and future," <i>Chemistry and Physics of Lipids</i> , <u>102</u> :79-96 (1999)		
A102	Chatterjee, et al., "Molecular Cloning, Characterization, and Expression of a Novel Human Neutral Sphingomyelinase," <i>J. Biol. Chem.</i> , <u>274</u> :37407-37412 (1999)		
A103	Chau, et al., "Synthesis of Simple Aryl Neutral Sphingomyelinase Inhibitors," <i>Abstr. Pap. - Am. Chem. Soc.</i> , (2001)		
A104	Chun, "Lysophospholipid receptors: implications for neural signaling," <i>Crit. Rev. Neuro.</i> , <u>13</u> (2):151-168 (1999)		

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 078853-0302	SERIAL NO. APPL_NO04		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Chun, et al., "A Growing Family of Receptor Genes for Lysophosphatidic Acid (LPA) and other Lysophospholipids (LPs)," <i>Cell Biochem. & Biophys.</i> , <u>30</u> (2):213-242 (1999)					
	A105	Cordis, et al., "HPTLC analysis of sphingomyelin, ceramide and sphingosine in ischemic/reperfused heart," <i>J. Pharm. And Biomed. Analysis</i> , <u>16</u> :1189-1193 (1998)					
	A106	Cuvillier, et al., "Suppression of ceramide-mediated programmed cell death by sphingosine-1-phosphate," <i>Nature</i> , <u>381</u> :800-803 (1996)					
	A107	Dickson, et al., "Serine Palmitoyltransferase," <i>Methods in Enzymology</i> , <u>311</u> :1-9 (1999)					
	A108	Edsall, et al., <i>Biochem.</i> , "N,N-Dimethylsphingosine is a potent competitive inhibitor of sphingosine kinase but not of protein kinase C: modulation of cellular levels of sphingosine 1-phosphate and ceramide," <u>37</u> :12892-12898 (1998)					
	A109	Edson, et al., "The Aminoglycosides," <i>Mayo Clin. Proc.</i> , <u>74</u> :519-528 (1999)					
	A110	Eichler, et al., "Peptide, peptidomimetic, and organic synthetic combinatorial libraries," <i>Med. Res. Rev.</i> , <u>15</u> :481-496 (1995)					
	A111	Fensome, et al., "A Neutral Magnesium-dependent Sphingomyelinase Isoform Associated with Intracellular Membranes and Reversibly Inhibited by Reactive Oxygen Species," <i>J. Biol. Chem.</i> , <u>275</u> :1128-1136 (2000)					
	A112	Fujii, et al., "Mg ²⁺ binding and catalytic function of sphingomyelinase from <i>Bacillus cereus</i> ," <i>J. Biochem (Tokyo)</i> , <u>124</u> :1178-1187 (1998)					
	A113	Fukushima, et al, "A single receptor encoded by <i>vzg-1/lp_α/edg-2</i> couples to G proteins and mediates multiple cellular responses to lysophosphatidic acid," <i>Proc. Natl. Acad. Sci.</i> , <u>95</u> :6151-6156 (1998)					
	A114	Furneisen, et al., "Enzymological properties of the LPP1-encoded lipid phosphatase from <i>Saccharomyces cerevisiae</i> " <i>Biochim. Biophys. Acta.</i> , <u>1484</u> :71-82 (2000)					
	A115	Garcia-Ruiz, "Human placenta sphingomyelinase, an exogenous acidic pH-optimum sphingomyelinase, induces oxidative stress, glutathione depletion, and apoptosis in rat hepatocytes," <i>Hepatology</i> , <u>32</u> :56-65 (2000)					
	A116	Gates, et al., "Serum amyloid p component: its role in platelet activation stimulated by sphingomyelinase d purified from the venom of the brown recluse spider (<i>Loxosceles reclusa</i>)," <i>Toxicon</i> , <u>28</u> :1303-1315 (1990)					
	A117	Gatt, et al., "Niemann Pick disease: presence of the magnesium-dependent sphingomyelinase in brain of the infantile form of the disease," <i>J. Neurochem.</i> , <u>31</u> (2):547-550 (1978)					
	A118	Gavrilenko, et al., "Nucleotide sequence of phospholipase C and sphingomyelinase genes from <i>Bacillus cereus</i> BKM-B164," <i>Bioorg. Khim.</i> , <u>19</u> :133-138 (1993)					

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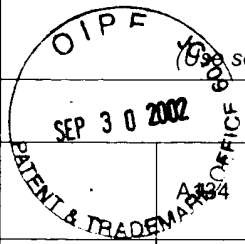
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		FILING DATE 12/21/2001	GROUP ART UNIT USPTO_ART_UNIT04
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
A119	Geeraert, et al., "Conversion of dihydroceramide into ceramide: involvement of a desaturase," <i>Biochem. J.</i> , <u>327</u> :125-132 (1997)		
A120	Ghosh, et al., "Effects of gentamicin on sphingomyelinase activity in cultured human renal proximal tubular cells," <i>J. Biol. Chem.</i> , <u>262</u> :12550-12556 (1987)		
A121	Ghosh, et al., "Identification, partial purification, and localization of a neutral sphingomyelinase in rabbit skeletal muscle: Neutral sphingomyelinase in skeletal muscle," <i>Mol. Cellular Biochem.</i> , <u>189</u> :161-168 (1998)		
A122	Gilmore, et al., "A <i>Bacillus cereus</i> cytolytic determinant, cereolysin AB, which comprises the phospholipase C and sphingomyelinase genes: a nucleotide sequence and genetic linkage," <i>J. Bacteriol.</i> , <u>171</u> (2):744-753 (1989)		
A123	Glickman, et al., "Molecular Cloning, Tissue-Specific Expression, and Chromosomal Localization of a Novel Nerve Growth Factor-Related G-Protein-Coupled Receptor, nrg-1," <i>Mol. Cel. Neurosci.</i> , <u>14</u> :141-152 (1999)		
A124	Goetzl, et al., "Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury, 4. 38: A Subfamily of G Protein-Coupled Cellular Receptors for Lysophospholipids and Lysosphingolipids, Introduction: The Biochemistry and Biology of Lipid Phosphoric Acids," <i>Adv. Exp. Med. Biol.</i> , <u>469</u> :259-264 (1999)		
A125	Gonda, et al., "The novel sphingosine 1-phosphate receptor AGR16 is coupled via pertussis toxin-sensitive and -insensitive G-proteins to multiple signalling pathways," <i>Biochem. J.</i> , <u>337</u> :67-75 (1999)		
A126	Gonzalez-Zorn, et al., "The smcL gene of <i>Listeria ivanovii</i> encodes a sphingomyelinase C that mediates bacterial escape from the phagocytic vacuole," <i>Mol. Microbiol.</i> , <u>33</u> (3):510-523 (1999)		
A127	Graler, et al., "EDG6, a Novel G-Protein-Coupled Receptor Related to Receptors for Bioactive Lysophospholipids, Is Specifically Expressed in Lymphoid Tissue," <i>Genomics</i> , <u>53</u> :164-169 (1998)		
A128	Gunther, "Myocardial contractility after infarction and carnitine palmitoyltransferase I inhibition in rats," <i>Eur. J. Pharma.</i> , <u>406</u> :123-126 (2000)		
A129	Hakogi, et al., "Stereocontrolled synthesis of a sphingomyelin methylene analogue as a sphingomyelinase inhibitor," <i>Org. Lett.</i> , <u>2</u> :2627-2629 (2000)		
A130	Hanada, et al., "Specificity of Inhibitors of Seine Palmitoyltransferase (SPT), a Key Enzyme in Sphingolipid Biosynthesis, in Intact Cells," <i>Biochemical Pharmacology</i> , <u>59</u> :1211-1216 (2000)		
A131	Hannun, et al., "Ceramide in the eukaryotic stress response," <i>Cell Biology</i> , <u>10</u> :73-80 (2000)		
A132	Hannun, et al., "The Sphingomyelin Cycle: A Prototypic Sphingolipid Signaling Pathway," <i>Adv. Lipid Res.</i> , <u>25</u> :27-41 (1993)		
A133	Intentionally Left Blank		

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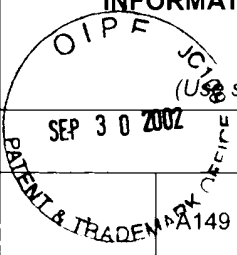
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Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 078853-0302	SERIAL NO. APPL_NO04
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Hannun, et al., "Functions of Sphingolipids and Sphingolipid Breakdown Products in Cellular Regulation," <i>Science</i> , <u>243</u> :500-507 (1989)	
	A135	He, et al., "A Fluorescence-Based High-Performance Liquid Chromatography Assay to Determine Acid Ceramidase Activity," <i>Analytical Biochemistry</i> , <u>274</u> :264-269 (1999)	
	A136	Heringdorf, et al., "Stimulation of intracellular sphingosine-1-phosphate production by G-protein-coupled sphingosine-1-phosphate receptors," <i>Eur. J. Pharmacol.</i> , <u>414</u> :145-154 (2001)	
	A137	Hernandez, et al., "Rapid Activation of Neutral Sphingomyelinase by Hypoxia-Reoxygenation of Cardiac Myocytes," <i>Circ. Res.</i> , <u>86</u> :198-204 (2000)	
	A138	Intentionally Left Blank	
	A139	Hetland, et al., "Phospholipase C from <i>Bacillus cereus</i> has sphingomyelinase activity," <i>Scand J. Clin Lab Invest</i> , <u>42</u> (1):57-61 (1982)	
	A140	Higuchi, et al., "Acidic Sphingomyelinase-Generated Ceramide is Needed But Not Sufficient for TNF-Induced Apoptosis and Nuclear Factor- κ B Activation," <i>J. Immunol.</i> , <u>157</u> :297-304 (1996)	
	A141	Hinkovska-Glachewa, et al., "Activation of a Plasma Membrane-Associated Neutral Sphingomyelinase and Concomitant Ceramide Accumulation During IgC-Dependent Phagocytosis in Human Polymorphonuclear Leukocytes," <i>Blood</i> , <u>91</u> :4761-4769 (1998)	
	A142	Hise, et al., "Fatty Acyl Chain Composition in the Determination of Renal Membrane Order," <i>J. Clin. Invest.</i> , <u>77</u> (3):768-773 (1986)	
	A143	Hla, et al., "An Abundant Transcript Induced in Differentiating Human Endothelial Cells Encodes a Polypeptide with Structural Similarities to G-Protein-coupled Receptors," <i>J. Biol. Chem.</i> , <u>265</u> (16):9308-9313 (1990)	
	A144	Hofmann, et al., "Cloning and characterization of the mammalian brain-specific, Mg^{2+} -dependent neutral sphingomyelinase," <i>PNAS</i> , <u>97</u> :5895-5900 (2000)	
	A145	Hofstadler, et al., "Multiplexed Screening of Neutral Mass-Tagged RNA Targets against Ligand Libraries with Electrospray Ionization FTICR MS: a Paradigm for High-Throughput Affinity Screening," <i>Anal. Chem.</i> , <u>71</u> :3436-3440 (1999)	
	A146	Holopainen, et al., "Sphingomyelinase Activity Associated with Human Plasma Low Density Lipoprotein," <i>J. Biol. Chem.</i> , <u>275</u> :16484-16489 (2000)	
	A147	Horn, et al., "Sphingofungins E and F: Novel Serineoamitoyl Transferase Inhibitors from <i>Paecilomyces variotti</i> ," <i>J. Antibiot. (Tokyo)</i> , <u>45</u> (10):1692-1696 (1992)	
A148	Hoye, et al., "Synthesis (and Alternative Proof of Configuration) of the Scyphostatin C(1')-(20') Triterpene Fragment," <i>Organic Letters</i> , <u>2</u> :1481-1483 (2000)		

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Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 078853-0302	SERIAL NO. APPL_NO04
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		FILING DATE 12/21/2001	GROUP ART UNIT USPTO_ART_UNIT04
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	A149	Hudson, "Recombinant antibody fragments," <i>Curr. Op. Biotechnol.</i> , 9(4):395-402 (1999)	
	A150	Humpf, et al., "Acylation of naturally occurring and synthetic 1-deoxysphinganine by ceramide synthase. Formation of N-palmitoyl-aminopentol produces a toxic metabolite of hydrolyzed fumonisins, AP1, and a new category of ceramide synthase inhibitor," <i>J. Biol. Chem.</i> , 273:19060-19064 (1998)	
	A151	Hunnam, "Functions of Ceramide in Coordinating Cellular Responses to Stress," <i>Science</i> , 274:1855-1859 (1996)	
	A152	Igarashi, "Functional Roles of Sphingosine, Sphingosine 1-Phosphate, and Methylsphingosines: In Regard to Membrane Sphingolipid Signaling Pathways. 1. Sphingosine-1-Phosphate as an Intercellular Signaling Molecule," <i>J. Biochem.</i> , 122:1080-1087 (1997)	
	A153	Igarashi, "Sphingosine-1-Phosphate as an Intercellular Signaling Molecule," <i>F. Hutchinson Cancer Research Center, University of Washington, Seattle</i>	
	A154	Ikezawa, et al., "Studies on Sphingomyelinase of <i>Bacillus Cereus</i> . I. Purification and Properties," <i>Biochim. Biophys Acta</i> , 528(2):247-256 (1978)	
	A155	Im, et al., "Molecular Cloning and Characterization of a Lysophosphatidic Acid Receptor, Edg-7, Expressed in Prostate," <i>Molecular Pharmacology</i> , 57:753-759 (2000)	
	A156	Im, et al., "Characterization of a novel sphingosine 1-phosphate receptor, Edg-8," <i>J. Biol. Chem.</i> , 275:14281-14286 (2000)	
	A157	Izuhara, et al, "Studies toward the Total Synthesis of Scyphostatin: First Entry to the Highly Functionalized Cyclohexenone Segment," <i>Organic Letters</i> , 3:1653-1656 (2001)	
	A158	Jimbo, et al., "Development of a New Inhibitor of Glucosylceramide Synthase," <i>J. Biochem.</i> , 127:485-491 (2000)	
	A159	Johansen, et al., "Bacillus cereus strain SE-1: nucleotide sequence of the sphingomyelinase C gene," <i>Nucleic Acids Research</i> , 16:10370 (1998)	
	A160	Jonghe, et al., "Structure-Activity Relationship of Short-Chain Sphingoid Bases as Inhibitors of Sphingosine Kinase," <i>Bioorganic & Medicinal Chemistry Letters</i> , 9:3175-3180 (1999)	
	A161	Kajstura, et al., "Apoptotic and Necrotic Myocyte Cell Deaths Are Independent Contributing Variables of Infarct Size in Rats," <i>Lab. Invest.</i> , 74:86-107 (1996)	
A162	Kanter, et al., "The Metabolism of Sphingomyelin. I. Purification and properties of a sphingomyelin-cleaving enzyme from rat liver tissue," <i>J. Biol. Chem.</i> , 241:1081 (1966)		
A163	Katircioglu, et al., "Myocardial preservation in acute coronary artery occlusion with coronary sinus retroperfusion and carnitine," <i>J. Cardiovasc. Surg.</i> , 41:45-50 (1999)		

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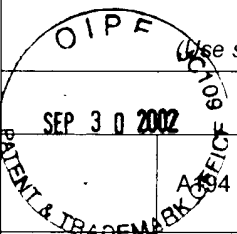
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
A164		Kay, et al., "Identification of enzyme inhibitors from phage-displayed combinatorial peptide libraries," <i>Comb. Chem. High Throughput Screen</i> , 4:535-543 (2001)					
A165		Kester, "Sphingolipid Metabolites and the Cellular Phenotype," <i>Trends in Glycoscience and Glycotechnology</i> , 9:447-460 (1997)					
A166		Kihara, et al., "Direct Measurement of Changes in Intercellular Calcium Transients During Hypoxia, Ischemia, and Reperfusion of the Intact Mammalian Heart," <i>Circ. Res.</i> , 65(4):1029-1044 (1989)					
A167		Kimura, et al., "Two Novel <i>Xenopus</i> Homologs of Mammalian LPEDG-2 Function as Lysophosphatidic Acid Receptor <i>Xenopus</i> Oocytes and Mammalian Cells," JBC Papers in Press Published on-line 02/05/2001 as Manuscript MO11588200					
A168		Kita, et al., "Reverse hydrolysis reaction of a recombinant alkaline ceramidase of <i>Pseudomonas aeruginosa</i> ," <i>Biochimica et Biophysica Acta</i> , 1485:111-120 (2000)					
A169		Kohama, et al., "Molecular cloning and functional characterization of murine sphingosine kinase," <i>J. Biol. Chem.</i> , 273:23722-23728 (1998)					
A170		Kolesnick, et al., "Characterization of a Ceramide Kinase Activity from Human Leukemia (HL-60) Cells: Separation From Diacylglycerol Kinase Activity," <i>J. Biol. Chem.</i> , 265:18803-18808 (1990)					
A171		Krown, et al., "Tumor necrosis factor alpha-induced apoptosis in cardiac myocytes. Involvement of the sphingolipid signaling cascade in cardiac cell death," <i>J. Clin. Invest.</i> , 98:2854-2865 (1996)					
A172		Kubota, et al., "Accumulation of ceramide in ischemic human brain of an acute case of cerebral occlusion," <i>Japan J. Exp. Med.</i> , 59:59-64 (1989)					
A173		Kubota, et al., "Sphingomyelin changes in rat cerebral cortex during focal ischemia," <i>Neuro. Res.</i> , 18:337-341 (1996)					
A174		Lanterman, et al., "Characterization of sphingosine kinase (SK) activity in <i>Saccharomyces cerevisiae</i> and isolation of SK-deficient mutants," <i>Biochem. J.</i> , 332:525-531 (1998)					
A175		Lee, et al., "Improved Inhibitors of Glucosylceramide Synthase," <i>J. Biol. Chem.</i> , 274:14662-14669 (1999)					
A176		Lee, et al., "Sphingosine 1-Phosphate Induces Angiogenesis: its Angiogenic Action and Signaling Mechanism in Human Umbilical Endothelial Cells," <i>Biochem Biophys Res. Commun.</i> , 264:743-750 (1999)					
A177		Lee, et al., "Lysophosphatidic acid and sphingosine 1-phosphate stimulate endothelial cell wound healing," <i>Am. J. Physiol. Cell Physiol.</i> , 278:C612-C618 (2000)					
A178		Intentionally Left Blank					

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Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 078853-0302	SERIAL NO. APPL_N004
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		FILING DATE 12/21/2001	GROUP ART UNIT USPTO_ART_UNIT04
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
A179	Lee, et al., "Cell-cycle-dependent changes in ceramide levels preceding retinoblastoma protein dephosphorylation in G2/M," <i>Biochem. J.</i> , <u>334</u> :457-461 (1998)		
A180	Lee, et al., "Effect of Ischemia on Calcium-Dependent Fluorescence Transients in Rabbit Hearts Containing Indo 1. Correlation with Monophasic Action Potentials and Contraction," <i>Circ.</i> , <u>78</u> (4):1047-1059 (1988)		
A181	Levade, et al., "Sphingomyelinases and Niemann-Pick disease," <i>J. Clin. Chem. Biochem.</i> , <u>24</u> :205-220 (1986)		
A182	Li, et al., "The Human Acid Ceramidase Genes (ASAH): Structure, Chromosomal Location, Mutation Analysis, and Expression," <i>Genomics</i> , <u>62</u> :223-231 (1999)		
A183	Liliom, et al., "Sphingosylphosphocholine is a naturally occurring lipid mediator in blood plasma: a possible role in regulating cardiac function via sphingolipid receptors," <i>Biochem. J.</i> , <u>355</u> :189-197 (2001)		
A184	Lin, et al., "Identification of neutral and acidic sphingomyelinases in <i>Helicobacter pylori</i> ," <i>FEBS Lett.</i> , <u>423</u> :249-253 (1998)		
A185	Intentionally Left Blank		
A186	Linn, et al., "Regulation of de novo sphingolipid biosynthesis and the toxic consequences of its disruption," <i>Biochemical Society</i> , pp. 831-835 (2001)		
A187	Lister, et al., "Interaction of sphingomyelinase with sphingomyelin analogs modified at the C-1 and C-3 positions of the sphingosine backbone," <i>Biochimica et Biophysica Acta</i> , <u>1256</u> :25-30 (1995)		
A188	Little, et al., "Surface display of antibodies," <i>Biotechn. Adv.</i> , <u>12</u> :539-555 (1994)		
A189	Liu, et al., "Molecular Cloning and Functional Characterization of a Novel Mammalian Sphingosine Kinase Type 2 Isoform," <i>J. Biol. Chem.</i> , <u>275</u> :19513-19520 (2000)		
A190	Liu, et al., "Purification and Characterization of a Membrane Bound Neutral pH Optimum Magnesium-dependent and Phosphatidylserine-stimulated Sphingomyelinase from Rat Brain," <i>J. Biol. Chem.</i> , <u>273</u> :34472-34479 (1998)		
A191	Liu, et al., "Sphingomyelinase Assay Using Radiolabeled Substrate," <i>Methods in Enzymology</i> , <u>311</u> :164-167 (2000)		
A192	Liu, et al., "Advances in the signal transduction of ceramide and related sphingolipids," <i>Crit. Rev. Clin. Lab. Sci.</i> , <u>36</u> :511-573 (1999)		
A193	Liu, et al., "Inhibition of the neutral magnesium-dependent sphingomyelinase by glutathione," <i>J. Biol. Chem.</i> , <u>272</u> :16281-16287 (1997)		

Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 078853-0302	SERIAL NO. APPL_NO04
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		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
		Liu, et al., "Glutathione regulation of neutral sphingomyelinase in tumor necrosis factor-alpha-induced cell death," <i>J. Biol. Chem.</i> , <u>273</u> :11313-11320 (1998)	
	A195	Lochhead, et al, "Fluorinated anesthetic exposure "activates" the renal cortical sphingomyelinase cascade," <i>Kidney Int.</i> , <u>54</u> :373-381 (1998)	
	A196	Luberto, et al., "Sphingolipid Metabolism in the Regulation of Bioactive Molecules," <i>Lipids</i> , <u>34</u> :S5-S11 (1999)	
	A197	Luberto, et al., "Sphingomyelin synthase, a potential regulator of intracellular levels of ceramide and diacylglycerol during SV40 transformation. Does sphingomyelin synthase account for the putative phosphatidylcholine-specific phospholipase C?," <i>PubMed, J. Biol. Chem.</i> , <u>273</u> :14550-14559 (1998)	
	A198	Lynch, et al., "Life on the edge," <i>Trends Pharmacol. Sci.</i> , <u>20</u> :473-475 (1999)	
	A199	Magnelli, et al., "BCL-2 Overexpression Abolishes Early Calcium Waving Preceding Apoptosis in NIH-3T3 Murine," <i>Bioch. Biophys. Res. Comm.</i> , <u>204</u> :84-90 (1994)	
	A200	Mandala, et al., "Isolation and Characterization of Novel Inhibitors of Sphingolipid Synthesis: Australifungin, Viridifungins, Rustmicin, and Khafrefungin," <i>Methods in Enzymology</i> , <u>311</u> :335-348 (1999)	
	A201	Mandala, et al., "Molecular cloning and characterization of a lipid phosphohydrolase that degrades sphingosine-1-phosphate and induces cell death," <i>PNAS</i> , <u>97</u> :7859-7864 (2000)	
	A202	Mandala, et al., "Sphingosine-1-Phosphate Phosphatases," <i>Prostaglandins & Other Lipid Mediators</i> , <u>64</u> :143-156 (2001)	
	A203	Mandala, et al., "Inhibition of Serine Palmitoyltransferase Activity by Lipoxamycin," <i>J. Antibiot. (Tokyo)</i> , <u>47</u> :376-379 (1994)	
	A204	Mandala, et al., "Viridifungins, Novel Inhibitors of Sphingolipid Synthesis," <i>J. Antibiot. (Tokyo)</i> , <u>50</u> :339-343 (1997)	
	A205	Mandala, et al., "The Discovery of Australifungin, a novel Inhibitor of Sphinganine N-Acyltransferase from <i>Sporormiella australis</i> . Producing Organism, Fermentation, Isolation, and Biological Activity," <i>J. Antibiot.</i> , <u>48</u> :349-356 (1995)	
	A206	Mandala, et al., "Khafrefungin, a novel inhibitor of sphingolipid synthesis," <i>J. Biol. Chem.</i> , <u>272</u> :32709-32714 (1997)	
	A207	Mandala, et al., "Sphingoid base 1-phosphate phosphatase: a key regulator of sphingolipid metabolism and stress response," <i>Proc. Nat. Acad. Sci.</i> , <u>95</u> :150-155 (1998)	
	A208	Mao, et al., "Cloning and Characterization of a Novel Human Alkaline Ceramidase: A Mannosidase That Hydrolyzes Phytoceramide," <i>J. Biol. Chem.</i> , <u>276</u> :26577-26588 (2001)	

RECEIVED

SEP 08 2001

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 078853-0302		SERIAL NO. APPL_NO04	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
A209		Mao, et al., "Cloning and Characterization of a <i>Saccharomyces cerevisiae</i> Alkaline Ceramidase with Specificity for Dihydroceramide," <i>J. Biol. Chem.</i> , <u>275</u> :31369-31378 (2000)					
A210		Mao, et al., "Cloning of an Alkaline Ceramidase from <i>Saccharomyces cerevisiae</i> : An Enzyme with Reverse (CoA-Independent) Ceramide Synthase Activity," <i>The Journal of Biological Chemistry</i> , <u>275</u> :6876-6884 (2000)					
A211		Mao, et al., "Molecular cloning and characterization of SCaMPER, a Sphingolipid Ca ²⁺ release-mediating protein from endoplasmic reticulum," <i>Proc. Natl. Acad. Sci. USA</i> , <u>93</u> :1993-1996 (1996)					
A212		Marks, et al., "Methods for Studying Glucosylceramide Synthase," <i>Methods in Enzymology</i> , <u>311</u> :50-59 (1999)					
A213		Intentionally Left Blank					
A214		Martin, et al., "Neutral Magnesium-Dependant Sphingomyelinase from Liver Plasma Membrane, Purification and Inhibition by Ubiquinol," <i>J. Bioenerg. Biomembr.</i> , <u>33</u> (2):143-153 (2001)					
A215		Meacci, et al., "Receptor-mediated activation of phospholipase D by sphingosine 1-phosphate in skeletal muscle C2C12 cells," <i>FEBS Letters</i> , <u>457</u> :184-188 (1999)					
A216		Meldrum, "Tumor necrosis factor in the heart," <i>Am. J. Physiol.</i> , <u>274</u> :R577-R595 (1998)					
A217		Melendez, et al., "Human sphingosine kinase: molecular cloning, functional characterization and tissue distribution," <i>Gene</i> , <u>251</u> :19-26 (2000)					
A218		Meroni, et al., "Effect of N-Acetylsphingosine (C2) and the Ceramidase Inhibitor (1S,2R)-D-erythro-2-(N-myristoylamino)-1 phenyl-1-propanol on the Regulation of Sertoli Cell Function," <i>Journal of Andrology</i> , <u>20</u> :619-625 (1999)					
A219		Merrill, et al., "Activities of serine palmitoyltransferase (3-ketosphinganine synthase) in microsomes from different rat tissues," <i>J. Lipid Res.</i> , <u>26</u> (5):617-622 (1985)					
A220		Michel, et al., "Characterization of Ceramide Synthesis: A Dihydroceramide Desaturase Introduces the 4,5-TRANS-Double Bond of Sphingosine at the Level of Dihydroceramide," <u>272</u> :22432-22437 (1997)					
A221		Mingeot-Leclercq, et al., "Aminoglycosides: activity and resistance," <i>Antimicrobial Agents and Chemotherapy</i> , <u>43</u> :727-737 (1999)					
A222		Mingeot-Leclercq, et al., "Aminoglycosides: nephrotoxicity," <i>Antimicrobial Agents and Chemotherapy</i> , <u>43</u> :1003-1012 (1999)					
A223		Mitsutake, et al., "Purification, Characterization, Molecular Cloning, and Subcellular Distribution of Neutral Ceramidase of Rat Kidney," <i>J. Biol. Chem.</i> , <u>276</u> :26249-26259 (2001)					

Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 078853-0302	SERIAL NO. APPL_N004
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	A224	Mohan, et al., "Evidence that Neutral Sphingomyelinase of Cultured Murine Neuroblastoma Cells is Oriented Externally on the Plasma Membrane," <i>Biochem Biophys Acta</i> , <u>777</u> (2):339-342 (1984)	
	A225	Mohler, et al., "Soluble Tumor Necrosis Factor (TNF) Receptors Are Effective Therapeutic Agents in Lethal Endotoxemia and Function Simultaneously as Both TNF Carriers and TNF Antagonists," <i>J. Immunol.</i> , <u>151</u> (3):1548-1561 (1993)	
	A226	Nakajima, et al., " <i>Biophysical J.</i> , <u>78</u> :319 A (2000)	
	A227	Napoli, et al., "Ischaemic preconditioning of rat myocardium: effects on postischaemic coronary endothelium hyperaemia and microcirculatory damage," <i>J. Clin. Bas. Cardiol.</i> , <u>1</u> :37-42 (1998)	
	A228	Nikolova-Karakashian, et al., "Ceramidases," <i>Methods in Enzymology</i> , <u>311</u> :194-201 (1999)	
	A229	Ohta, et al., "Induction of apoptosis by sphingosine in human leukemic HL-60 cells: a possible endogenous modulator of apoptotic DNA fragmentation occurring during phorbol ester-induced differentiation," <i>Cancer Res.</i> , <u>55</u> :691-697 (1995)	
	A230	Ohta, et al., "A possible role of sphingosine in induction of apoptosis by tumor necrosis factor- α in human neutrophils," <i>FEBS Letters</i> , <u>355</u> :267-270 (1994)	
	A231	Okamoto, et al., "EDG1 Is a Functional Sphingosine-1-Phosphate Receptor That Is Linked via a G _{i/o} to Multiple Signaling Pathways, Including Phospholipase C Activation, Ca ²⁺ Mobilization, Ras-Mitogen-activated Protein Kinase Activation, and Adenylate Cyclase Inhibition," <i>J. Biol. Chem.</i> , <u>273</u> :27104-27110 (1998)	
	A232	Okamoto, et al., "EDG3 Is a Functional Receptor Specific for Sphingosine 1-Phosphate and Sphingosylphosphorylcholine with Signaling Characteristics Distinct from EDG1 and AGR16," <i>Biochem. Biophys. Res. Commun.</i> , <u>260</u> :203-208 (1999)	
	A233	Okazaki, et al., "Characteristics and partial purification of a novel cytosolic magnesium-independent, neutral sphingomyelinase activated in the early signal transduction of 1 α ,25-dihydroxyvitamin D3-induced HL-60 cell differentiation," <i>J. Biol. Chem.</i> , <u>269</u> (6):4070-4077 (1994)	
	A234	Okino, et al., "Molecular Cloning, Sequencing, and Expression of the Gene Encoding Alkaline Ceramidase from <i>Pseudomonas aeruginosa</i> : Cloning of A Ceramidase Homologue from mycobacterium Tuberculosis," <u>274</u> :36616-36622 (1999)	
	A235	Olivera, et al., "Assaying Sphingosine Kinase Activity," <i>Methods in Enzymology</i> , <u>311</u> :215-223 (1999)	
	A236	Olivera, et al., "Sphingosine-1-phosphate as second messenger in cell proliferation induced by PDGF and FCS mitogens," <i>Nature</i> , <u>365</u> :557-560 (1993)	
	A237	Oral, et al., "Sphingosine mediates the immediate negative inotropic effects of tumor necrosis factor-alpha in the adult mammalian cardiac myocyte," <i>J. Biol. Chem.</i> , <u>272</u> :4836-4842 (1997)	
	A238	Oshefski, et al., "Glucosylceramide Synthase Inhibition Enhances Vincristine-Induced Cytotoxicity," <i>Int. J. Cancer</i> , <u>93</u> :131-138 (2001)	



Form PTO-1449 (MODIFIED BY TRADEMARK)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 078853-0302	SERIAL NO. APPL_N004
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
	A239	Parrill, et al., "Identification of Edg1 Receptor Residues That Recognize Sphingozine 1-Phosphate," <i>J. Biol. Chem.</i> , <u>275</u> :39379-39384 (2000)			
	A240	Pitson, et al., "Human sphingosine kinase: purification, molecular cloning and characterization of the native and recombinant enzymes," <i>Biochem J.</i> , <u>350</u> :429-441 (2000)			
	A241	Pitson, et al., "Expression of a catalytically inactive sphingosine kinase mutant blocks agonist-induced sphingosine kinase activation. A dominant-negative sphingosine kinase," <i>J. Biol. Chem.</i> , <u>275</u> :33945-33950 (2000)			
	A242	Raag, et al., "Single-chain Fvs.," <i>FASEB J.</i> , <u>9</u> :73-80 (1995)			
	A243	Rani, et al., "Cell Cycle Arrest Induced by an Inhibitor of Glucosylceramide Synthase," <i>J. Biol. Chem.</i> , <u>270</u> :2859-2867 (1995)			
	A244	Riley, et al., "Fermentation, Partial Purification, and Use of Serine Palmitoyltransferase Inhibitors from <i>Isaria (=Cordyceps) sinclairii</i> ," <i>Methods in Enzymology</i> , <u>311</u> :348-361 (1999)			
	A245	Romiti, et al., "Characterization of sphingomyelinase activity released by thrombin-stimulated platelets," <i>Molecular and Cellular Biochemistry</i> , <u>205</u> :75-81 (2000)			
	A246	Runcie, et al., "A Short and Efficient Route to Novel Scyphostatin Analogues," <i>Organic Letters</i> , <u>3</u> :3237-3239 (2001)			
	A247	Sabbadini, et al., "Sphingosine is endogenous to cardiac and skeletal muscle," <i>Biochem. Biophys. Res. Comm.</i> , <u>193</u> :752-758 (1993)			
	A248	Saint-Joanis, et al., "Gene cloning shows the alpha-toxin of <i>Clostridium perfringens</i> to contain both sphingomyelinase and lecithinase activities," <i>Mol. Gen. Genet.</i> , <u>219</u> (3):453-60 (1989)			
	A249	Saito, et al., "Absolute Configuration of Scyphostatin," <i>Organic Letters</i> , <u>2</u> :505-506 (2000)			
	A250	Sakai, et al., "A device for recording left ventricular contraction and electrocardiogram in nonworking isolated perfused rat heart," <i>Jpn J. Pharmacol.</i> , <u>28</u> :223-229 (1978)			
	A251	Sato, "A new role of lipid receptors in vascular and cardiac morphogenesis," <i>The Journal of Clinical Investigation</i> , <u>6</u> :939-940 (2000)			
	A252	Sawai, et al., "Function of the Cloned Putative Neutral Sphingomyelinase as Lyso-platelet Activating Factor-Phospholipase C," <i>J. Biol. Chem.</i> , <u>274</u> (53):38131-38139 (1999)			
	A253	Sawai, et al., "Identification of ISC1 (YER019w) as Inositol Phosphosphingolipid Phospholipase C in <i>Saccharomyces cerevisiae</i> ," <i>J. Biol. Chem.</i> , <u>275</u> :39793-39798 (2000)			

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			FILING DATE 12/21/2001	GROUP ART UNIT USPTO_ART_UNIT04
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
	A254	Schissel, et al., "Zn2+-stimulated sphingomyelinase is secreted by many cell types and is a product of the acid sphingomyelinase gene," <i>J. Biol. Chem.</i> , <u>271</u> :18431-18436 (1996)		
	A255	Sergeyev, et al., "Lipid Spectrum of the Myocardium of White Rats Exposed to Hypoxic Hypoxia," <i>Kosm. Biol. Aviakosm. Med.</i> , <u>15</u> :71-74 (1981)		
	A256	Shayman, et al., "Glucosylceramide Synthase: Assay and Properties," <i>Methods in Enzymology</i> , <u>311</u> :42-49 (1999)		
	A257	Shayman, et al., "Inhibitors of Glucosylceramide Synthase," <i>Methods in Enzymology</i> , <u>311</u> :373-387 (1999)		
	A258	Shinghal, et al., "Ceramide 1-Phosphate Phosphatase Activity in Brain," <i>Journal of Neurochemistry</i> , <u>61</u> :2279-2285 (1993)		
	A259	Siehler, et al., "Sphingosine 1-Phosphate Activates Nuclear Factor- κ B through Edg Receptors: Activation Through Edg-3 and Edg-5, but not Edg-1, in Human Embryonic Kidney 293 Cells," JBC Papers in Press Published 10/22/2001 in Manuscript MO1107220		
	A260	Siess, et al., "Lysophosphatidic Acid and Sphingosine 1-Phosphate: Two Lipid Villains Provoking Cardiovascular Diseases?" <i>IUBMB Life</i> , <u>49</u> :161-171 (2000)		
	A261	Smith, et al., "Hypoxia, calcium fluxes, and inotropic state: Studies in cultured heart cells," <i>Amer. Heart J.</i> , <u>103</u> (4):716-723 (1982)		
	A262	Smith, et al., "Purified Fumonisin B1 Decreases Cardiovascular Function but does not Alter Pulmonary Capillary Permeability in Swine," <i>Toxicological Sciences</i> , <u>56</u> :240-249 (2000)		
	A263	Spiegel, et al., "Sphingolipid metabolism and cell growth regulation," <i>FASEB J.</i> , <u>10</u> :1388-1397 (1996)		
	A264	Intentionally Left Blank		
	A265	Spence, et al., "A new Zn2+-stimulated sphingomyelinase in fetal bovine serum," <i>J. Biol. Chem.</i> , <u>264</u> (10):5358-5363 (1989)		
	A266	Spence, M.W., "Sphingomyelinases," <i>Adv. Lipid Res.</i> , <u>26</u> :3-23 (1993)		
	A267	Spiegel, et al., "REVIEW: Roles of Sphingosine-1-phosphate in Cell Growth, Differentiation, and Death," <i>Biochemistry (Moscow)</i> , <u>63</u> :69-83 (1998)		
	A268	Spiegel, et al., "Functions of a new family of sphingosine-1-phosphate receptors," <i>Biochim. Biophys. Acta</i> , <u>1484</u> :107-116 (2000)		

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Form PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A269	Succheck, et al., "Combinatorial synthesis of aminglycoside libraries," <i>Curr Opin Drug Discov Devel.</i> , <u>4</u> :462-470 (2001)
A270	Sugita, et al., "Ceramidase and ceramide synthesis in human kidney and cerebellum. Description of a new alkaline ceramidase," <i>Biochim. Biophys. Acta.</i> , <u>398</u> :125-131 (1975)
A271	Sugiyama, et al., "Sphingosine 1-phosphate induces sinus tachycardia and coronary vasoconstriction in the canine heart," <i>Cardiovasc. Res.</i> , <u>46</u> :119-125 (2000)
A272	Sumnicht, et al., "Lipid Composition of Transverse Tubular Membranes from Normal and Dytrophic Skeletal Muscle," <i>Arch. Biochem. Biophys.</i> , <u>215</u> :628-637 (1982)
A273	Szulc, et al., "A facile regioselective synthesis of sphingosine 1-phosphate and ceramide 1-phosphate," <i>Tetrahedron Letter</i> , <u>41</u> :7821-7824 (2000)
A274	Tamura, et al., "Mass production of sphingomyelinase of <i>Bacillus cereus</i> by a protein-hyperproducign strain <i>Bacillus brevis</i> 47, and its purification," <i>J. Biochem. (Tokyo)</i> , <u>112</u> (4):488-491 (1992)
A275	Tanaka, et al., "Structural Elucidation of Scyphostatin, an Inhibitor of Membrane-Bound Neutral Sphingomyelinase," <i>J. Am. Chem. Soc.</i> , <u>199</u> :7871-7872 (1997)
A276	Tani, et al., "Purification and Characterization of a Neutral Ceramidase from Mouse Liver: A single Protein Catalyzes the Reversible Reaction in Which Ceramide is Both Hydrolyzed and Synthesized," <i>J. Biol. Chem.</i> , <u>275</u> :3462-3468 (2000)
A277	Tazabekova, et al., <i>Bioorg. Khim</i> , <u>13</u> :648-653 (1987)
A278	Tomita, et al., "Secondary structure of sphingomyelinase from <i>Bacillus cereus</i> ," <i>J. Biochem. (Tokyo)</i> , <u>108</u> (5):811-815 (1990)
A279	Tomiuk, et al., "Cloned mammalian neutral sphingomyelinase: Functions in sphingolipid signaling?" <i>Proc. Natl. Acad. Sci. (USA)</i> , <u>95</u> :3638-3643
A280	Torley, et al., "A turbidometric assay for phospholipase C and sphingomyelinase," <i>Anal Biochem.</i> , <u>222</u> :461-464 (1994)
A281	Tosaka, et al., "Sphingosine 1-phosphate contracts canine basilar arteries in vitro and in vivo: possible role in pathogenesis of cerebral vasospasm," <i>Stroke</i> , <u>32</u> :2913-2919 (2001)
A282	Triola, et al., "Synthesis of aCyclopropene Analogue of Ceramide, a Potent Inhibitor of Dihydroceramide Desaturase," <i>Angew. Chem. Int. Ed.</i> , <u>40</u> :1960-1962 (2001)
A283	Tsunoda, et al., "Early Fumonisin B1 Toxicity in Relation to Disrupted Sphingolipid Metabolism in Male BALB/c Mice," <i>J. Biochem. Mol. Toxicol.</i> , <u>12</u> :281-289 (1998)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
	A284	Uchida, et al., "Alutenusin, a Specific Neutral Sphingomyelinase Inhibitor, Produced by Penicillium sp. FO-7436," <i>J. Antibiotics</i> , <u>52</u> (6):572-574 (1999)			
	A285	Usta, et al., "Structural Requirements of Ceramide and Sphingosine Based Inhibitors of Mitochondrial Ceramidase," <i>Biochemistry</i> , <u>40</u> :9657-9668 (2000)			
	A286	Van Brocklyn, et al., "Sphingosine 1-phosphate-induced cell rounding and neurite retraction are mediated by the G protein-coupled receptor H218," <i>J. Biol. Chem.</i> , <u>274</u> :4626-4632 (1999)			
	A287	Van Veldhoven, "Sphingosine-1-phosphate Lyase" <i>Methods in Enzymology</i> , <u>311</u> :244-254 (1999)			
	A288	Van Veldhoven, et al., "Human sphingosine-1-phosphate lyase: cDNA cloning, functional expression studies and mapping to chromosome 10q22 ¹ ," <i>Biochimica et Biophysica Acta</i> , <u>1487</u> :128-134 (2000)			
	A289	Veldhoven, et al, "Sphingosine-Phosphate Lyase," <i>Adv. Lipid Res.</i> , <u>26</u> :69-98 (1993)			
	A290	Vivekananda, et al., "Sphingomyelin metabolites inhibit sphingomyelin synthase and CTP:phosphocholine cytidyltransferase," <i>Am. J. Physiol. Lung Cell Mol. Physiol.</i> , <u>228</u> :L91-L107 (2001)			
	A291	Walev, et al., "Selective killing of human monocytes and cytokine release provoked by sphingomyelinase (beta-toxin) of Staphylococcus aureus," <i>Infect. Immun.</i> , <u>64</u> :2974-2979 (1996)			
	A292	Wang, et al., "A Single Amino Acid Determines Lysophospholipid Specificity of the S1P1 (EDG1) and LPA1 (EDG2) Phospholipid Growth Factor Receptors," <i>JBC Papers in Press Published October 16, 2001</i> , Manuscript M107301200			
	A293	Wang & Merrill, et al., <i>Adv. Lipid Res.</i> , <u>26</u> :215-234 (1993)			
	A294	Winter, et al., "Making antibodies by phage display technology," <i>Annu. Rev. Immunol.</i> , <u>12</u> :433-455 (1994)			
	A295	Xia, et al., "High density lipoproteins (HDL) interrupt the sphingosine kinase signaling pathway. A possible mechanism for protection against atherosclerosis by HDL," <i>J. Biol. Chem.</i> , <u>274</u> :33143-33147 (1999)			
	A296	Xia, et al., "Tumor necrosis factor-alpha induces adhesion molecule expression through the sphingosine kinase pathway," <i>PNAS</i> , <u>95</u> :14196-14201 (1998)			
	A297	Xu, et al, "Involvement of de novo ceramide biosynthesis in tumor necrosis factor-alpha/cycloheximide-induced cerebral endothelial cell death," <i>J. Biol. Chem.</i> , <u>273</u> :16521-16526 (1998)			
	A298	Xu, et al., "Sphingosylphosphorylcholine is a ligand for ovarian cancer G-protein-coupled receptor 1" <i>Nature Cell Biology</i> , <u>2</u> :261-267 (2000)			

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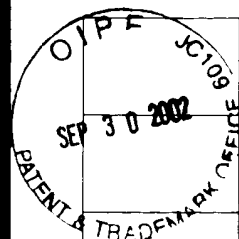
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	A299	Yada, et al., "Purification and biochemical characterization of membrane-bound epidermal ceramidases from guinea pig skin," <i>J. Biol. Chem.</i> , <u>270</u> :12677-12684 (1995)					
	A300	Yamada, et al., "Nucleotide sequence and expression in Escherichia coli of the gene coding for sphingomyelinase of Bacillus cereus," <i>Eur. J. Biochem.</i> , <u>175</u> (2):213-220					
	A301	Yamaji, et al., "Lysenin, a novel sphingomyelin-specific binding protein," <i>J. Biol. Chem.</i> , <u>273</u> :5300-5306 (1998)					
	A302	Yamanaka, et al., "Acid Sphingomyelinase of Human Brain: Purification to Homogeneity," <i>J. Neurochem.</i> , <u>38</u> :1753-1764 (1982)					
	A303	Intentionally Left Blank					
	A304	Yamazaki, et al., <i>Biochem. Biophys. Res. Commun.</i> , <u>268</u> :583-589 (2000)					
	A305	Yatomi, et al., "Sphingosine-1-Phosphate: A Platelet-Activating Sphingolipid Released from Agonist-Stimulated Human Platelets," <i>Blood</i> , <u>86</u> :193-202 (1995)					
	A306	Yatomi, et al., "Sphingosine 1-phosphate, a bioactive sphingolipid abundantly stored in platelets, is a normal constituent of human plasma and serum," <i>J. Biochem.</i> , <u>121</u> :969-973 (1997)					
	A307	Yatomi, et al., "Sphingosine 1-phosphate induces platelet activation through an extracellular action and shares a platelet surface receptor with lysophosphatidic acid," <i>J. Biol. Chem.</i> , <u>272</u> :5291-5297 (1997)					
	A308	Yellon, et al., "Ischaemic preconditioning limits infarct size in the rat heart," <i>Cardiovasc Res.</i> , <u>26</u> :983-987 (1992)					
	A309	Yoshimura, et al., "Inhibition of Neutral Sphingomyelinase Activation and Ceramide Formation by Glutathione in Hypoxic PC12 Cell Death," <i>Journal of Neurochemistry</i> , <u>73</u> :675-683 (1999)					
	A310	Intentionally Left Blank					
	A311	Zager, et al., "Decreased expression of mitochondrial-derived H2O2 and hydroxyl radical in cytoresistant proximal tubules," <i>Kidney Int.</i> , <u>52</u> :942-952 (1997)					
	A312	Zechner, et al., "MKK6 inhibits myocardial cell apoptosis via a p38 MAP kinase-dependent pathway," <i>J. Biol. Chem.</i> , <u>273</u> :8232-8239 (1998)					
	A313	Zelinski, et al., "Phosphatidylcholine biosynthesis in isolated hamster heart," <i>J. Biol. Chem.</i> , <u>255</u> (23):11423-11428 (1980)					

RECEIVED

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A314	Zhang, et al., "Human Acid Ceramidase Gene: Novel Mutations in Farber Disease," <i>Molecular Genetics and Metabolism</i> , <u>70</u> :301-309 (2000)
A315	Zhang, et al., "Comparative analysis of three murine G-protein coupled receptors activated by sphingosine-1-phosphate," <i>Gene</i> , <u>227</u> :89-99 (1999)
A316	Zhou, et al., "Identification of the First Mammalian Sphingosine Phosphate Lynase Gene and its Functional Expression in Yeast," <i>Biochem. Biophys. Res. Comm.</i> , <u>242</u> :502-507 (1998)
A317	Zweerink, et al., "Characterization of a Novel, Potent, and Specific Inhibitor of Serine Palmitoyltransferase," <i>J. Biol. Chem.</i> , <u>267</u> :25032-25038 (1992)

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